



MINIATURE TYPE

GENERAL	DATA		
Electrical:			
Filament, Coated:			
	Series*	Parallel**	
	2.8	1.4	volts
Current		0.1	amp
Direct Interelectrode Capacitance	es (Approx		
Grid No.1 to plate			$\mu\mu$ f
Grid No.1 to filament (mid-tap)	å		F-F
Grid No.1 to filament (mid-tap) grid No.3, and grid No.2 Plate to filament (mid-tap) &		5.5	μμf
			• • •
grid No.3, and grid No.2		3.8	μμt
Mechanical:			
Mounting Position			Anv
Maximum Overall Length			2-1/8"
Maximum Seated Length			1-7/8'
Maximum Seated Length Length, Base Seat to Bulb Top (Ex	cludina t	ip) 1-1/2"	+ 3/32'
Maximum Diameter			3/4'
Bulb			
Base Small-Button Mir	iature 7-	Pin (JETEC N	o.E7-1)
Basing Designation for BOTTOM V	/IEW		6B
Ø 6			
rin 1 - rijament	PIR	5 - Filamen	τ
(-series) Pin 2 - Plate	χ 6)	Mid-Tap	1.11
	٦Ľ	(-parai	iei),
Pin 3 - Grid No.2 Pin 4 - No Connec-	プ ^ク ::.	Grid No 6 - Grid No	
tion-Do Not Use	Pir	7 - Filamen	+ (+)
AMPLIFIER -		, , , , , , , , , , , , , , , , , , ,	- (- /
Aaximum Ratings, Design-Center Va	•		
_	Series*	Parallel**	
PLATE VOLTAGE	90 max	. 90 max.	volts
GRID-No.2 (SCREEN) VOLTAGE	90 max	_	
FOTAL MAXIMUM-SIGNAL			
CATHODE CURRENT	6 [#] max	. 12 max.	ma
TOTAL ZERO-SIGNAL			
CATHODE CURRENT	6 [≉] max	. 12 max.	ma
Typical Operation and Characteris	tics: Series*		
		Parallel**	1.4
Plate Voltage	90	85 90	volts
Grid-No.2 Võltage	90	85 90	volts
Without external shield.			
# For each 1.4-volt filament section.	For series	operation of	the sec-
tions, a shunting resistor must be copins No.1 and No.5 to bypass any c	mnectedacr athode cur	oss the section rent in excess	of the
pins No.1 and No.5 to bypass any c rated maximum per section. When arrangement contribute to the filament	other tube	s in series f	ilament
shunting resistor may be required bet	ween pins	No.1 and No.7.	uitionai
*,**: See next page.			





POWER PENTODE

	Series*	Parallel**	
Grid-No.1 (Control-Grid) Voltage	-4.5	-5 - 4.	5 volts
Voltage	4.5 7.7 1.7 0.12 2000 10000 7 240	5 4. 6.9 9. 1.5 2. 0.12 0. 1975 215 10000 10000 10 250 270	5 ma 1 ma 1 megohm 0 µmhos 0 ohms 7 %
Maximum Circuit Values (For max	imum rate	d conditions)	:
Grid-No.1-Circuit Resistance: For fixed-bias operation For cathode-bias operation .		2.2 max. 2.2 max.	megohms megohms
Typical Operation with Single F	ilament S	ection:	
Filament Voltage Filament Current		1.4 0.05 90 90 -4.5 4.5 4.8 1.1 0.2 1100 20000 7 135	volts amp volts volts volts volts ma ma megohm µmhos ohms mw
Maximum Circuit Values (For max	imum rate	a conditions)	:
Grid-No.1-Circuit Resistance: For fixed-bias operation For cathode-bias operation .		2.2 max. 2.2 max.	megohms megohms
** Filament voltage applied across the No.1 and No.7. Grid-No.1 voltage *** Filament voltage applied across t pin No.5 and pins No.1 and No.7 cor is referred to pin No.5. Either filament section may be opt floating. It is to be noted, how the emission capabilities of the un	is referred he two sect nnected toge erated sing: ever, that s	to pin No.1. ions in paralle ther. Grid-No. ly with the oth such operation	el between 1 voltage er section may impair
operation the unused section may section, it should not be operated Curves shown under Type 3	be operated singly.	l in series wit	h the used
]	~7	,,., ., 3	7

→Indicates a change.